



FEB 23 2006

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Attachment for form 1440(BTO)

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**(Use as many sheets as necessary)**

Sheet 1 of 2

of 2

**Complete if Known**

Application Number	10/662,765
Filing Date	September 15, 2003
First Named Inventor	David H. KIL
Art Unit	1631
Examiner Name	Shubo ZHOU (Kao S. M.)
Attorney Docket Number	ARC012010000

**U. S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
JJ	1	DE 196 36 074 A1	03-26-1998	SIEMENS AG	

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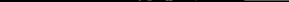
Translation is attached.  
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<p>Substitute for form 1449/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(Use as many sheets as necessary)</p>				<b>Complete If Known</b>	
				<b>Application Number</b>	
				10/662,765	
				<b>Filing Date</b>	
				September 15, 2003	
				<b>First Named Inventor</b>	
David H. KIL					
<b>Art Unit</b>					
1631					
<b>Examiner Name</b>					
Shubo ZHOU 7/11 Sims					
<b>Sheet</b>	2	of	2	<b>Attorney Docket Number</b>	ARC012010000

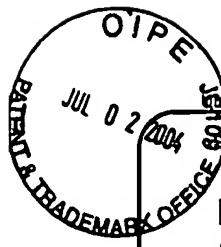
## NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	07/14/06
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Substitute for form 1449/PTO

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Sheet 1 of 5

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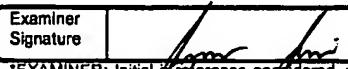
Application Number	10/662,765
Filing Date	September 15, 2003
First Named Inventor	David H. KIL David H. Kil
Art Unit	Not yet assigned Jun Sim
Examiner Name	Not yet assigned 1631
Attorney Docket Number	ARC012010000

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
TJ	1	US- 5,037,207	08-06-1991	Tomei et al.	
	2	US- 5,257,182	10-26-1993	Luck et al.	
	3	US- 5,287,272	02-15-1994	Rutenberg et al.	
	4	US- 5,403,735	04-04-1995	Maruhashi et al.	
	5	US- 5,465,375	11-07-1995	Thepaut et al.	
	6	US- 5,487,117	01-23-1996	Burges et al.	
	7	US- 5,497,430	03-05-1996	Sadovnik et al.	
	8	US- 5,625,705	04-29-1997	Recht	
	9	US- 5,715,327	02-03-1998	Wilhelm et al.	
	10	US- 5,734,735	03-31-1998	Coleman, Jr.	
	11	US- 5,740,269	04-14-1998	Oh et al.	
	12	US- 5,740,270	04-14-1998	Rutenberg et al.	
	13	US- 5,745,601	04-28-1998	Lee et al.	
	14	US- 5,767,923	06-16-1998	Coleman, Jr.	
	15	US- 5,774,357	06-30-1998	Hoffberg et al.	
	16	US- 5,778,108	07-07-1998	Coleman, Jr.	
	17	US- 5,787,188	07-28-1998	Nelson et al.	
	18	US- 5,859,699	01-12-1999	Baer et al.	
	19	US- 5,867,610	02-02-1999	Lee	

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Examiner Signature 

Date Considered 07/14/06

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**Substitute for form 1449/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

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of 5

**Complete if Known**

Application Number	10/662,765
Filing Date	September 15, 2003
First Named Inventor	David H. KIL
Art Unit	Not yet assigned <i>Tissue Sinc</i>
Examiner Name	Not yet assigned <i>LEWI</i>
Attorney Docket Number	ARC012010000

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
J	20	US- 5,870,493	02-09-1999	Vogl et al.	
	21	US- 5,875,108	02-23-1999	Hffberg et al.	
	22	US- 5,889,880	03-30-1999	Doerrer et al.	
	23	US- 5,920,360	07-06-1999	Coleman, Jr.	
	24	US- 5,920,477	07-06-1999	Hoffberg et al.	
	25	US- 5,939,278	08-17-1999	Boon et al.	
	26	US- 5,959,697	09-28-1999	Coleman, Jr.	
	27	US- 5,978,497	11-02-1999	Lee et al.	
	28	US- 5,985,085	11-16-1999	Baer et al.	
	29	US- 5,987,158	11-16-1999	Meyer et al.	
	30	US- 5,999,634	12-07-1999	Abbott et al.	
	31	US- 6,031,232	02-29-2000	Cohenford et al.	
	32	US- 6,061,471	05-09-2000	Coleman, Jr.	
	33	US- 6,134,354	10-17-2000	Lee et al.	
	34	US- 6,146,897	11-14-2000	Cohenford et al.	
	35	US- 6,148,099	11-14-2000	Lee et al.	
	36	US- 6,157,446	12-05-2000	Baer et al.	
	37	US- 6,181,811	01-30-2001	Kuan et al	
	38	US- 6,215,550	03-10-2001	Baer et al.	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

3

of 5

### Complete if Known

Application Number	10/662,765
Filing Date	September 15, 2003
First Named Inventor	David H. KIL
Art Unit	Not yet assigned <i>Ts, Jia</i>
Examiner Name	Not yet assigned <i>167</i>
Attorney Docket Number	ARC012010000

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>Ts</i>	39	US- 6,215,892	03-10-2001	Douglass et al.	
	40	US- 6,240,209	05-29-2001	Wilcke	
	41	US- 6,259,807	07-10-2001	Ravkin	
	42	US- 6,327,377	12-04-2001	Rutenberg et al.	
	43	US- 6,337,926	01-08-2002	Takahashi et al.	
	44	US- 6,469,779	10-22-2002	Baer et al.	
	45	US- 6,495,195	12-17-2002	Baer et al.	
	46	US- 6,512,576	01-28-2003	Baer et al.	
<i>Ts</i>	47	US- 6,569,639	05-27-2003	Liotta et al.	
		US-			

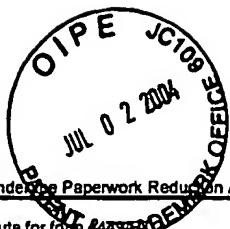
FOREIGN PATENT DOCUMENTS					
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<i>Ts</i>	48	WO 01/33190 A2	05-10-2001		
	49	WO 02/37159 A2	05-10-2002		
<i>Ts</i>	50	EP 0 748 439 B1	07-21-1999		

Examiner Signature	<i>[Signature]</i>	Date Considered	07/14/06
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

4

of

5

Application Number	10/662,765
Filing Date	September 15, 2003
First Named Inventor	David H. KIL
Art Unit	Not yet assigned <i>Jess - S. 15</i>
Examiner Name	Not yet assigned <i>Jess - S. 15</i>
Attorney Docket Number	ARC012010000

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>JS</i>	49	Anonymous "ChromaVision" website product description including Rare Cell Detection in Tissue and Rare Cell Detection in Cytospin Prep – retrieval date 6/21/04	
	50	Pizzi, A. "Diagnostic Cytology Learning Page" <a href="http://www-ocs.colorado.edu/~metzj/pizzia/learning_page.html">http://www-ocs.colorado.edu/~metzj/pizzia/learning_page.html</a> Written February 4, 1997, Last updated August 4, 1998	
	51	Duke University, "Evaluation of Cervical Cytology", AHCPR publication No. 99-E010, Feb. 1999.	
	52	Jarkrans, T. "Algorithms for Cell Image Analysis in Cytology and Pathology", Comprehensive Summaries of Uppsala Dissertations, 1996.	
	53	Morruzi, J.F. et al. "Quantification and classification of human sperm morphology by computer assisted image analysis" - Fertil. Steril. Volume 50, Issue 1 pp 142-152, July 1988	
	54	Perez-Sanchez, F. "Morphometric Analysis of human sperm morphology" Int J Androl Volume 17, Issue 5 pp 248-255, Oct 1994	
	55	Jeyendran, R.S. "Association of the in-vitro fertilizing capacity of human spermatozoa with sperm morphology as assessed by three classification systems" - Hum Reprod Volume 1, Issue 5 pp 305-308, Aug 1986	
	56	Grohs, H.K. and Husain, O.A.N. Eds.: "Automated Cervical Cancer Screening" Publisher: Igaku-Shoin Medical Publishers, Chapter 23 pp 305-317, 1994.	
	57	Jarkrans, T. "Algorithms for Cell Image Analysis in Cytology and Pathology", Comprehensive Summaries of Uppsala Dissertations, 1996.	
	58	Salomie, A. et al. (2001). "Multivariate Techniques for Medical Image Segmentation," <a href="http://www.etro.vub.ac.be/members/deklerck.rudi/redimedia/segmentation/segment.htm">http://www.etro.vub.ac.be/members/deklerck.rudi/redimedia/segmentation/segment.htm</a>	

Examiner Signature	<i>David H. KIL</i>	Date Considered	07/14/06
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Sheet 5

of 5

Application Number	10/662,765
Filing Date	September 15, 2003
First Named Inventor	David H. KIL
Art Unit	Not yet assigned <i>Test. 163</i>
Examiner Name	Not yet assigned <i>163</i>
Attorney Docket Number	ARC012010000

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>JS</i>	59	Schachter, B. J. et al. (1979). "Some Experiments in Image Segmentation by Clustering of Local Feature Values", Pattern Recognition, Pergamon Press Inc., Elmsford, NY, US vol	
	60	Jong-Min Park et al., (May 2002) "Analysis of active feature selection in optic nerve data using labeled fuzzy C-means clustering", 2002 IEEE World Congress on Computational Intelligence. 2002 IEEE International Conference on Fuzzy Systems, pgs. 1580-1585 vol. 2, 2002, Piscataway, NJ, USA, IEEE, ISBN: 0-7803-7280-8.	
<i>4</i>	61	Frosini, G. et al, (July 2000). "A modified fuzzy C-means algorithm for feature selection", Peachfuzz 2000, 19th International Conference of the North American Fuzzy Information Processing Society, pgs. 148-152, 2000, Piscataway, NJ, USA, IEEE, ISBN: 0-7803-6274-8.	
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Examiner Signature	<i>[Signature]</i>	Date Considered	<i>07/14/01</i>
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